ZipGrow Tower Closed-System Watering Retrofit Project

Project Deliverables/Results

- Create and implement modular closed-system watering retrofits for 300 ZipGrow towers in our three Los Angeles locations
- Reduce water consumption by 65% while increasing production capacity by 30%
- Improve growing capabilities for specialty herbs and culturally-significant crops

Milestones

- Design and prototype individual closed-system watering units with solar-powered pumps (Month 1)
- Purchase materials for initial 100 retrofit kits, including pumps, reservoirs, and sensors (Month 2)
- Hire and train 3 community technicians from our workforce program at $25/hour for system installation (Months 2-6)
- Install first 100 systems at Pico Union location and monitor performance (Months 3-4)
- Deploy remaining 200 systems across South Central and Boyle Heights locations (Months 4-6)
- Document water usage, crop yields, and system performance across all retrofitted towers (Months 3-8)
- Develop open-source implementation guide and conduct 3 community training workshops (Months 7-8)